

## PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, APS PUSHBUTTONS AND SIGNS AND REPLACING LOOP DETECTORS AT THE INTERSECTION OF MD 337 (ALLENTOWN ROAD) AND COMMAND DRIVE IN PRINCE GEORGES COUNTY. MD 337 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

## INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA SEVEN-PHASE FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR NORTH AND SOUTH BOUND MD 337 AND AN ALTERNATE PEDESTRIAN PHASE FOR THE SOUTH LEG OF THE INTERSECTION. NO PHASE CHANGES ARE PROPOSED AS PART OF THIS PROJECT.

## CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR

## EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
5005	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	LF	415
5006	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	87
8002	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON	EA	2
8004	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL	EA	2
8005	PEDESTRIAN EDUCATION SIGN. 2 - R10-4(1) MOD (9"X15" - ALLENTOWN RD.)	EA	2
*8006	REMOVE AND DISPOSE PER ASSIGNMENT	EA	1
8013	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	775
8014	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	410
NEG	INSTALL GROUND MOUNTED SIGN	SF	25.4
NEG	APS CENTRAL CONTROL UNIT	EA	1
NEG	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	850
NEG	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	230
NEG	1 INCH DIAMETER RIGID STEEL CONDUIT, SCHEDULE 40	LF	25
NEG	WOOD SIGN SUPPORT 4 INCH X 4 INCH	LF	60
NEG	ADJUST EXISTING HANDHOLE	EA	2
1 8001	CONCRETE FOR SIGNAL FOUNDATION	CY	0.5
8003	BREAKAWAY PEDESTAL POLE - ANY SIZE	EA	1
8007	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	10
8008	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	10
8012	CUT, CLEAN, GALVANIZE AND CAP SIGNAL STRUCTURE	EA	1

\* REMOVE AND DISPOSE ITEM IS FOR ALL SIGNALS WHICH ARE PART OF THIS TASK. MOT QUANTITY IS COVERED AS PART OF THE SIDEWALK PLANS.

## EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.  
ALL MATERIALS AND EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT # 3 ARE AS FOLLOWS:

MR. BRIAN YOUNG  
ASSISTANT DISTRICT ENGINEER-TRAFFIC  
PHONE: (301) 513-7358

MR. AUGIE REBISH  
UTILITY ENGINEER  
PHONE: (301) 513-7350

MR. WAYNE A. MOWDY  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: (301) 513-7304

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS  
DIVISION  
PHONE: (410) 787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF  
TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
CHIEF, SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
CHIEF, SIGN OPERATIONS  
410-787-7676

THE POWER COMPANY IS:

PEPCO  
ROCKVILLE SERVICE CENTER  
201 WEST GUDE DRIVE  
ROCKVILLE, MD 20850  
301-670-8700

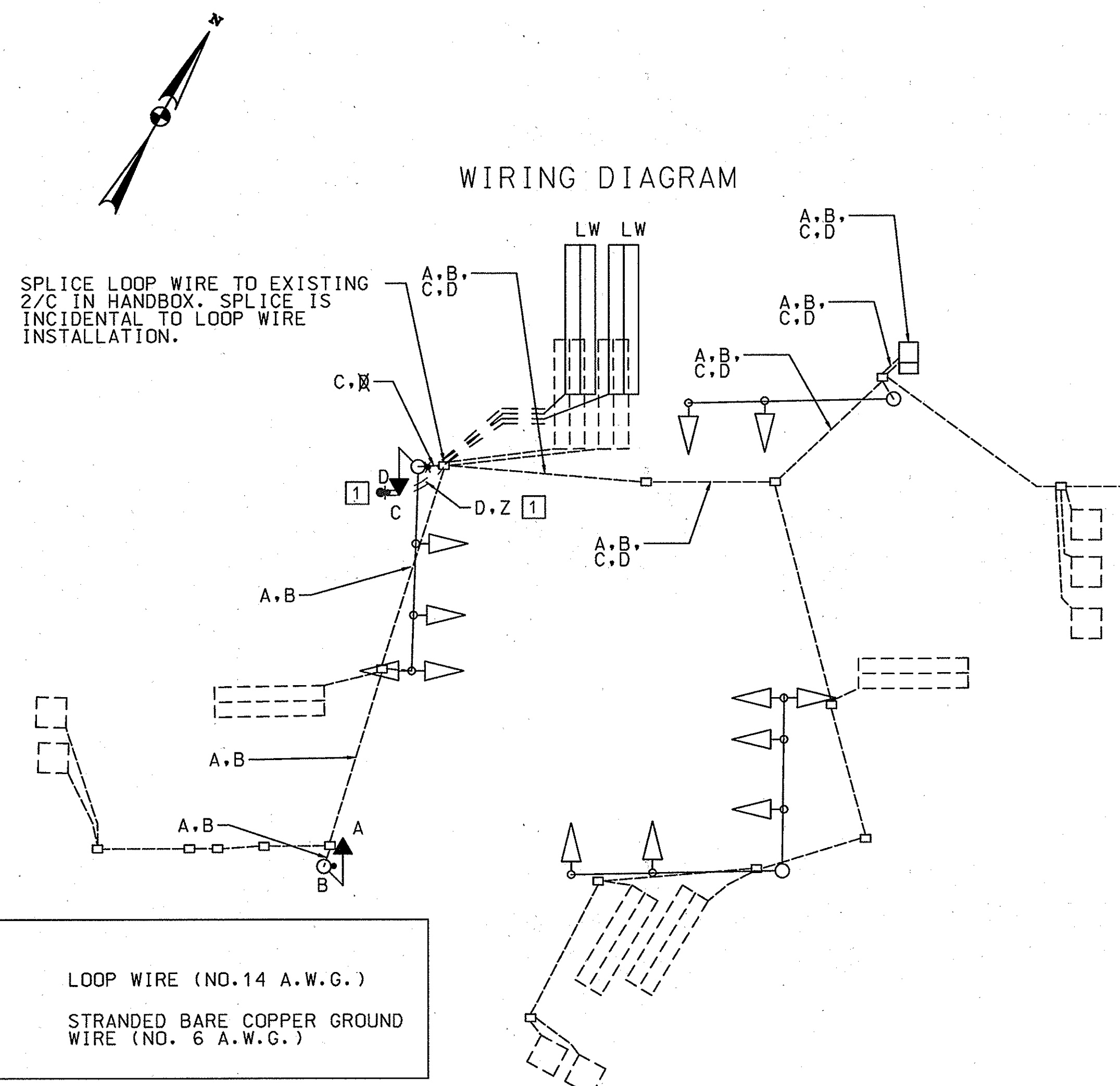
## EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9570	SHEET ALUMINUM SIGNS - GROUND MOUNT CONSISTING OF:	SF	25.4
	2 - W11-2 (36"X36") FY		
	2 - M6-2 (21"X15") FY		
	1 - R4-7(2) (18"X24")		

## WIRING KEY

A.C	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	LW	LOOP WIRE (NO.14 A.W.G.)
B.D	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	1 Z	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)



## PHASING CHART

NO PHASE CHANGE

SHA CONSTRUCTION NO. PG586A51



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 337 (ALLENTOWN ROAD) AT  
COMMAND DRIVE  
CAMP SPRINGS, MARYLAND

## GENERAL INFORMATION SHEET

SCALE	NA	DATE	OCTOBER, 2007	CONTRACT NO.	AXI785133
DESIGNED BY	TC	COUNTY	PRINCE GEORGE'S		
DRAWN BY	TC	LOGMILE	16033701J2		
CHECKED BY	D. EBY	TIMS NO.	I-509		
FAP NO.		TOD NO.			
TS NO. 598E-GI	DRAWING	-	OF	SHEET NO.	19 OF 23



RUMMEL, KLEPPER  
& KAHL, LLP

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